

What is claimed is:

1. A DNA molecule comprising the following elements in a 5' to 3' direction:

a first restriction endonuclease site,

5 a T3 promoter site;

at least one Tag gene, said Tag gene comprising at least 5 20 mer Tag sequences;

a Poly A site having at least 21 consecutive A residues, wherein said A residues are on the same strand as said T3 promoter such that when transcription is initiated at the T3 promoter, a Tag RNA transcript is produced having a poly A tail.

a second restriction endonuclease site which may be the same or different than said first restriction endonuclease site;

a T7 Promoter on the opposite strand as said T3 promoter.

2. A DNA molecule according to claim 1 wherein said Tag sequences are selected from Seq. Id. Nos. 1-2050 or their complement.

3. A DNA molecule according to claim 1 wherein said Tag gene is selected from the group consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX.

4. A DNA molecule according to claim 1 wherein, said first restriction endonuclease site is SphI (gcatgc), said T3 promoter comprises the following sequence aattaaccctcactaaagg; said Tag gene is selected from the group consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX; said second endonuclease site comprises a PstI site (ctgcag); and said T7 promoter comprises tatagtgagtcgtatta.

5. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

gc at gcaattaaccctcactaaagg gacgcgtacgtaagcttgatcctctagaATTTGATCGTAACTCGGGT
GACCAATGACCATATACGGCGTATTAAGGTTGTACCCTCGGTCTCAACTTGTC
GTATGGGACTTTCAAGTACCTTAGCTCGTCGGACGCTTTAGATGACTTATCCA

TAGTCCTAAGTCCGGCGCCGGTTAAGCCGCTATTAGCGTGTGTGGACTCTCTC
TAGGAGCGGCTTCGCACAAATTACTGCTCAATCCTAGATACGTTGCGCTCTTT
GGTAAACGGCTCAGATCTTAGCACTCGTGCAGTTCTACGATGGCAAGTCGTG
CCTCGTTCTCGTGTAGAATATCAGCTAATAGGGTTCGGCTCAACAGTGTATCCG
5 GTGGACAAGCACTGACACGCGATGACGTTTCGTCAAGAGTCGCATAATCTCAG
AATCCGTACAGCCGCATCGGGTTCACGGCTATAAAACAGCGTCATCAGCGTA
GGGTATCGCTTCGCGTGTTCATGACTTGGGCCACGTCTCTCTCTCGCACATTAG
GCTAGATTgtcgaccgggaattccggaaaaaaaaaaaaaaaaaaaaaactgcagcgtagcagctttccctatagtgagt
cgtatta.

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6. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaTTAGTCGTTAGCCCGAGC
TTAACTATTAGCGTCGGTGCTATATCCTTACCGCGTATGGAGTAGCCTTCCCG
15 AGCATTGTCTACCTTACCGTCAAGAAAACCATCGACTCACGGGATATTGACC
AAACTGCGGTGCGATTAACTCGACTGCCGCGTGAACAACGATGAGACCGGGC
TAAGGCACGTATCATATCCCTAATTCGCTGAATAGTGCCCTACATATCCTAAT
ACAGGCGCGACGAACCTTATACTCGATGGAAGACAGTTATACCCATGCATAA
AGCTCTATACTCCGAGAACTAGCATCTAAGCACTCGGCTCTAATGTAAAGTGC
20 TCGACCACAGATCGAAGGTCGGAACCTCAGTGCCAAGTACGATGGCTCACGT
CTTATTGGGGCCGCCAGAGTTATGTTTGAGTCTTCGATGTATGCGCTCGTTGC
CCTATTGTTGTGTCTGGATCTTCTAGTTgtcgaccgggaattccggaaaaaaaaaaaaaaaaaaaaaac
tcagcgtagcagctttccctatagtgagtcgtatta.

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7. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaTGTGATAATTCGACGAGG
CGTTACATATTCTGAGAGGGGGTGATTAAGTCTGCTTCGGCCTGGGATGGTCTG
TCTACGTGTGCGTAGTTCTGTCATAGCGTCGAGGATTCTGAACCTGTCCATAG
30 TATCCTGTAAGCGTCCAATGTACCTATATCGTGGACCCAAAGTCGATACGTCC
GATTAAGCGACGTTGGTCTAGGTAACGAATTATACCCCTCGGGTTACGAATTAT

GGCTGTGCCTAACGAATCTGGGACGTGCCTAAGTAATCTGGTCCGCGACTAA
GATGTACGGTGATCGTGGACGCTTGACCGGACTTATGCGTCGCCTTCCGAGTT
ATTGGATGGCGTTCCGTCCTATTGGATACTATTCCGTGCGTGTGCGACACGTT
CCGAGCATATGCTAACAGTTCCGTCCTATGTAACGCTTGACGTAGATTGCTA
5 TCAGGTTACGATGACTGCTAAGCCATTACGCGACATTCTGCAAAGTTACGTCG
CATTCTCTCACGTTACGGCTGATTCTCTAGGCTTACGCGCATGAGCTCTAGGT
TCCGGGTACTATCGAACGTGTCATTGGTACTgtcgacccgggaattccggaaaaaaaaaaaaaa
aaaaaactgcaggcgtaccagctttccctatagtgcgtatta.

- 10 8. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaATAGACTAGCCTGCCGGTCA
AATAACTGATGACGCGGAGTCAACCTGATAACCCATAGCGGAACAGTCTAAC
CTACGCGAGATACGTCTTACCGCACATAGGTAACCTATTCGTGACTAGCAGG
15 CCTTATTCCGGTGCTATGAGTATCTTACCTGGTCTAGGTATCTAATTCGTGAG
TCGGGTACTACATTCGTGCGATGGGTCCTCGCTTCGTCTATGAGGTCTCGTCT
TCGTGAGTGCAATGTATCCGAAGTCGTAGTGATAATATGGAAGTAGGCGCGA
TTTGACGAACGTATGCCGCATATTCGGAACGTCGCCTGGAAATTCGCCACCTA
GATCGAAATTATCGGAAGTCGTGCTTATTTACGAACCTTGGGAGCCGTTCCCT
20 AAAGCTGAGTCTGGTTTCTTATTAGCGAGGAGCATTTCGTGAATACTGAGCCG
AATATCGTAAGACATCCGCGAGCGACTGTAACTAATCGGGGAACCTTATTAT
AGAGCCCGTCCAGGTCTTGAACGACGTgtcgacccgggaattccggaaaaaaaaaaaaaa
actgcaggcgtaccagctttccctatagtgcgtatta.

- 25 9. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaCCATCCGATTAAATACCGT
GGATTACGTTAAGTTACGGCGGTTGACTTAGTTATGCGAGGTTTCGCTTACGTT
GCATAGCGGATCGCTTAACCTCTATGCGTACAGCTTACCTACTATGCGTGCAA
30 GTTACCGAGCTGACGTCGCGTTAGACAGCTCATTCGTCACGTTTAGGACTATG
TCGAAGCGTTTCGACCATGTCGTCTAGCTTAATACCTCTGCGTCTCAGTTAAT

AGTACGGGCAATCCGTTATGTAAAGGGTGACCACGTTTCAGAAGCTGCCATA
TACTTACACAGCAGGCGATCACGTTAGATCCACTGCGTCACGTTACCTACATG
ATCGATCCGATTACAGGCCGATCCATCGGATTACACACGAGTCCTGCACGTT
AGAACACTGGCTCGCGGCTTAGATCAGCTTCCCTCGCTGGAGATCGAATACG
5 CCCAGCTWAGAGCGAATTGCGGCGCGTTTCGACATAATTGCCGACGCTTCGAC
AGAATTGTAGGCGATTCTAGCCAATTGCACGTCGTATTAGGTAGTCACTCTCG
ACCTAGCGTAAGGATCCACGATCCTAGAGTCGGGtcgacccgggaattccggaaaaaaaaa
aaaaaaaaactgcaggcgtaccagctttccctatagtgagtcgtatta.

- 10 10. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaACGCGGTCCTCAGCATAT
AGTCGTTGCACCTAGTTGATAGTCGCCGATTCTAGTTATGGCGTCGGATTAGA
CCGGATCACCCGGACATGGACGTTAAGTATCCGGCCTGGACGACAATAATTC
15 GGCGGTGCCTCACAATATTCCGAGAACTCTGCATCAATTCGGGCTAGTCGTAC
CTGAACGGGCATCAGTCGAATCTCTTCGTGGCTAGTCTGTGACGTCCTGTT
CATCGTGTACACGCGGTACATGAGTCAAAGTCCGAATAGCTCGCGCAACG
TCCGTCTAGCTGGATCAACCTATCCCTGAGTCTATATGCGTACCAATGGATGC
GGTCTCCTCCGACTGAGTATGCGTTCCTCGGACTGGATCAGCTATCCACGAGC
20 TGTAATCCGGTACTAGGGTGTATCGCCTGTTACTAGGTAGACAGTCGTGTAC
TCGGTTAGACTGATGGTCAACGACCTATACTGACAGCATAACGAGACGTGACG
ACTGCATAGTGGTCGGTCTGACACATCTCCTCGTTGGTAGTACGTGCCCCGTA
TGGATAGGGCTCTAGCCCGCTATGGTGAGTCTAATCGCCGTTGGTCTGTATGC
AGTGCGGTATGGTTCCTCTCAGTCACGTATGGTTCGCTGCTGTCCGTCATGTG
25 TTAGATGCGtcgacccgggaattccggaaaaaaaaaaaaaaaaaactgcaggcgtaccagctttccctatagtgag
tcgtatta.

11. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

30 gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaATGCAGCGTAGGTATCGAC
TCTCACTGTGGAGTCGTCTATGATGTCGTGGAGTCCTCTCAGAGTGCTGTAGG

TCCTCATAGGTCGTGCTGTCTCTCTACACGCGTGCGTGAGTCTACATTTCTGC
GAGTTGGTGCTCTCACTGCGGTGTCAGTGATCTCTCCGCGTGACATGAGTC
TAGCTTCGCGGTCATGGTCTATCCCAGCGATGGATGAGACTACTCTGTACTAG
ATGGTCATGCCTGCGAATGAGTCGTCAGTGCCCACAATGTCTCGATAGTGCG
5 CCGAATGTGTCTGTAATGCCTCGAATGTGTAATCGTCAACTCGTATGTGAAGT
GCTAGGCTAGTATTGACATCTACGGGCGGCTATTGACGAACTCTCCGGTATAT
GCTCTACATCTGCAGGGAATTGCCGACCATATATGGGTCTTGCTGATACGCTA
GGGTGCTTGCTACTTAGATAGGCGTCTTGCCCGCTATTCGCGGCGTGCTCAG
AATATGCGCGACGTGTCTGGTATATGGCGACTGTGTCCGTCTATACGCATACT
10 GGTCCACATATAGACATACTTCCACGACATGACAAAGCGTGCTCCTACATAG
CACGAGCGTCTCCTAAATAGATCCGGTCTTATCGCTGAATGTCTAGGATTCTC
GTCAATGATCTACGATCCTCGCTAAGTATTCAGCCACCTCGTATAGTATTCGC
GCACCTGAGGATTTATTACCTGACTCGCGTATAATATGCCGTCACCTAGTCT
Agtcgaccgggaattccggaaaaaaaaaaaaaaaaaaaaactgcaggcgaccagcttccctatagtgagtcgtatta.

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12. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaGATATGCGTTACGTGAGTC
TGATAGCAGTTCACCTACCTGGATATCTGATCCACTAGCTCGATCATGCTCACC
20 CATAGTTTATCTGCATCACTCGTACTGAAATGCTCACATCGCAGGTAGAGCAG
CATCGTAGAGCGTCAAGCTGCATCCTAGCGTCATGAGTCATAGTACCTCATGC
TCACGTGATCTACCCTAGCTGACCGCTAATGACGGCAGTGCAACCTGAGATA
CCGACGGCATACTGTCGTCAACGTCAGGCAATGTGTCCGAACGGCGAGCTAC
GTCGCCTCACGGAGTAATCGCGTCCCTCTAGGTATAGTGCCGTCGGTTCAGGT
25 CATATGTCGCGGGTTCTGCACATATCACGGACGTATCGCTATCAGACGGACG
CTCTCGGACCTAAACCGTAGCTCTCGGCAAGATCGTCCTCGTCTCGAATATAG
CGCCCTAGTGCTGCAAATGTCACCGCTATCTCGTAAGGGGTCCGTCTGTTGAG
TTAGGCCTCCTCTCGTTGGATGTGAGCTCGGTTGCTTGGATGGTGCAGCTTAC
TTCGCGTACCTGCTGTTTGCATCAGTCCTCTGCATCTATAATCGCGTATCTCTC
30 TCTAGTAGACCATATAGCCATCTAAGCGCTCGATATTCACCTAAGTGCGGCC
TATTGAACTAAGTGGCAGCCGAATGGACTATCGCTCCTCGATATGTACGGAT

AGGCCACGGCATGTACGAGCATAAGCCGAAGTGCACGAGCATACCCGACACT
GATCTGAGAGTCGCTTAAATCATCTGCGTGTCTTAGAGCTTATCGCCATGTCT
GTCAACTGTACTGTCATCCTGTAAGTGTAGCGTATGTGgtcgacccgggaattccggaaaa
aaaaaaaaaaaaaaaaaactgcaggcgtaccagctttccctatagtgagtcgtatta.

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13. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
bases refer to Tag gene sequence:

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaGATAAGCGTTCACAGCTCG
GCAATACCTGTGACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTG
10 ACAGTGATGGCGCTTACTTCAGATGTATGGGTGATACTTCGCTATATGGGTGG
TCACTTCTCTATGGCGCGTGACAATGTACTATGGAGCGGTCAATGTCAGTACG
GATCGCGTCGATCTAGGTGACTACGCACGCCTCTGGAGTAAATCGARWGCTC
CGTGCGAAATACGCGGTATCGTGCGAATAACCGAGTCATCGTGAGTAGTAT
GAACGTGTCGTGTTATGCAGCGGTATGTCGTGCTATAATGGCGTCTGTCGTGC
15 TCATAAGGTTCCCTCTGATGTGCTAGACGTGTCCATCGAGCTGCATAGCTATAC
TTCGAGTCACTTGGGATACTTCGATAGCGTTGTGAATAGTGTCGTAGGCTCTC
GGGCACGTTGYTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTCGTACTA
TCGAATACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTGCC
ACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCAGATCCTACGAGA
20 TGAGCTACGTAAGTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTC
GTAGTCGAATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATG
AAGACTCGTCCCTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGT
GCTAGTGCCCACTTCTCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATC
AATCGTCGCGGCTCACTAATYGTCTGCGGTGGCTACTAATGGTTACGGTGCCT
25 GACTAATCGTGTAGGTGTCTAATACATCGTGATACGGGCGATATAATGCTCG
ATACGGCAAATATAGCTCCGTCCGGTgtcgacccgggaattccggaaaaaaaaaaaaaaaaa
tcaggcgtaccagctttccctatagtgagtcgtatta.

14. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
30 bases refer to Tag gene

sequence:gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaCAATGATAGGCTA

GTCTCGCGCAGTACATGGTAGTTCAGCCAATAGATGCCTAGTACGCTGACGG
CATTACAGAGTACGCTGATCGGCTTATGACGTATGTGACGCAGCTCTTAGCGCA
ATGTATGTGCTGTTATCGAAGCCTATGGCTGAGTATGTAACGCTATGGCGTGC
TAGTCGTCTCATATACTGCTGATGACCTCGTATCATGTTATAGGGCTGCGAAC
5 TGTCGATGATGGTCACGACTCTGTTCGATAGCTGTGTGACTCATTACAGAAAGGTG
TGCAGCCTATATGATACGCAGTCGCATCCTATCTTACGTGTCAGTACTATGTG
TGAGTGCTCCGCCCTAGTGCTGATGTATGCCCCATAGTGCTCAGTGGAGTCTC
TCTTAGCATAGTGTCCGCTCATACTAGATGGACGGCTCATTAGTATCATCG
TCGGCTGATATAGGTCGTGGCTCCCTGTATATCGAGGTGAGTCTATCTGGATC
10 AACGTCGCACTATGATGTGCAAAGTGTCTGTCCTATGTATAGACAGTGC GCGTA
TCATATAGGATGCGGCGATCTCATAACGCGTTACGGTCGCTGCGTACTGTATA
AGGATGCTCTGTGAACTGTCATCGGTCCGATCAATTAGTCTAGTGTGCGTTAT
TCAGATCGAGTGAGTACATGATTCGTGTCAGTGTGGATCAATTACAGTTAGGCC
GCTGACACATTAGTAACGTCGGCAAGCACTTAGTCGTGTCGTAAGCCAGTGT
15 GTCGTGTCTTAGACGACTGTGTGTGATTCTCGAGCGATTTATACATCCGTGAC
AGCGTTTATAGTGTGCTGACAGACTGGTTGGTTATCCAATGATCGACCTGGAG
TCTAATATCTGACCACGCCTTGTAATCGTATGACACGCGCTTGACACGACTGA
ATCCAGCTTAAGAGCCCTGCAACGCGATATACAGGCGCTGCTACCGATATgtcg
accgggaattcgggaaaaaaaaaaaaaaaaaactgcaggcgtagccagcttccctatagtgagtcgtatta.

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15. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene

sequence:gcatgcaattaaccctcactaaaggacgcgtacgtaagcttggatcctctagaAGATCGCAGGGTA
TCGCATCGACAGACCTGGTATCGTCGTGACGAACGTGCTACTCGCTTATCGGG
25 CCTGCTACATCAGTGGCGATGTTTCGTAACCCTTAGCCGATCTTCTTACTTACG
AGGCTACTATTCGATCAAACCTCGCCTATCTGGTAATAACTGCGGTGATCTGGT
AGCCACTACGTGCGCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGC
TCAGTGGTCCGACATAGTGCCCAGTGGTTCGCATAACTGCCGCTGGGTCCAAT
ATAACACGCAGTCGTCAATCATAACGAGCCGATGGTCAGCAATAGCGCCTGTG
30 GTGACACTATGCCACCTCTGGTCTAATATAGCGCCCTGTGGTCGTATAATCGA
GCGCGTAATCGTATATYCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTC

TAATCTGCGTTGGTTGTCGCTCACAGTGTCTGGTGTTCGATACCCGGATCGGG
TTCCGTAATCTTGGCATCGAGGTTTCGTACATGTCACGCGGTCTCGTTCATTCT
CGGTGGTGCTCAGTACATCCAGTGGTGAGTCGCTACATCACACGGTGATCCG
GCTAAACCTCTGGGCATCCGTATTAAGCGACATTCCTACGACTTATCAGCACG
5 TCCTACGGTATAACAAGGCGTGCTACGGTCTAACGACGCTGGTAGCAGTCTA
TCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCTTCGAATCTATGATG
CTCGTGCTCACGCGATGCACTCGGATTATGGCACATGCACTCGCGTAATGAC
GCTGCATCGCTCAGTATGATCCATGAGCGCCGTGAATGACGCATGAGCCTCG
TATCGAGTGCATGAGCTGTCTTTCACATGATACATCGCTCTAAATCATCATGC
10 GACAGTCTCGACAGCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACA
TCATGCTCGACTCTGAGACACTGATCGAGCATTAAAGACgctgacccgggaattccggaaaa
aaaaaaaaaaaaaaaaaactgcaggcgtaccagctttccctatagtgagtcgtatta.

16. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
15 bases refer to Tag gene

sequence:gcatgcaattaaccctcactaaagagacgcgtacgtaagcttggatcctctagaCTCTGTGTCATGAT
CGTGAGTTGTTCGCAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGC
TGTTGCGTAAATCAACGGCATGATCCCTATGACCGCGTCATGCTAACTGATAC
ACGCTGCTCGAACAGTGATACGCACACTGATAACTATGCGCAGACGCTTGAA
20 ACGATGTGACATCGCTTCTAGAGTATGAGCCGCAATGCACGACTGATACTCG
ATATGAGCAGCAGTCGGCTATGATTTGCAATGCTTGCAGTATGTATCCTGATC
GTGCGTGCGATGTCTGATAATACGCTCGCATGATATGTATTGCGCTCAGATGC
TGGAGATATGCCATGCGTGCTGTCAGTATGCCATGTATGCTGATATGTCGCGA
TCTATGTGGTGACTATGAGATCCATGTGATGACGTTGCAGTCTCTGTGACCTT
25 ATCGACGCGCATGTGAGCCTATAGACAGCGATGTGAGCACTCTCATCTGCGG
ATCAGTCTATCCTCGCTGATGCTCAGTGATACACGCTGATGCACGTAGTGAGC
ATCCTGTGCTCGCATATACCGCTGCTGCACTGATATGAGCCAGTGCTGCTGCT
CTCTACGGAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCTAACTGGCTG
TCTAGCACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGA
30 CTCTGACATTAGCGTATAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCG
CCTATTATATGCCTGACGCGGGATCTATCAGAACGACTCGGTAGCTCATATAC

TGGATCACGGTGCCACAACATGCTACACGAGGTCTCAGACTCTATCCCGTGG
ACTCAACGTGCATCTGCTATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCT
CTGATCTACACTGCCGTGATCGTTATATGACGAGACTGTGCGCTCATAGCCGA
CACTGTGCTCGATAAGACCACGCTGTGCGGATATAgtcgacccgggaattccggaaaaaaa

5 aaaaaaaaaaactgcaggcgtaccagctttccctatagtgcgtatta.

17. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
bases refer to Tag gene

sequence:gcatgcaattaaccctcactaaagggacgcgtacgtaagcttggatcctctagaCTAGTGCATCCTCG

10 TGGCATCATGCGTCTCCTCAGTAGGTCTGCGACTGATCCTAGTGCAATGCGTC
TGAGCCTGAGCTACAGCGATATAGCCTGGATTGTGAGCGTATTTGCTGTCAG
AACCTCAGCTCATCATGTATGATGCTGTACCATCCTGCGATACTGAAGATGCA
CCGCTATAATGCGAGGCTCTCCGCTAAAGTGGAAGCTGCTCGTTCTCAATGCG
AGCGAGTCGAATCCAATGCCGTAGCTGCGATAACGATGCCGCTGACTCTACG
15 GTAATGCACGATCCTCTACATTGATAGCAGATAGTCTAACGGGATAGCATAG
GTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAGATATAGTCATCGCTGC
AATCAGCTAGTCATCTTGTGTCAGGATGCTACTCACTGCGTGCAGAAGATTGCA
CGACTTCAGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGATCGACACT
GCTGGTCTGCGAATGACTCGCATTCACTAACATGGAGCATCGTTATCTAAAG
20 GGGATGCACGTTATCGTCGAGTGGCCGTCATGTCTATGCAGTGCGGCCTATGT
CTCATTAGCGAGTCGTATGTATCATGTCGGGCTCGAATGTTGCACACGTCTGC
GTAATGGTGACCGCTAGTCCASATGGTGCTTCGTAGCCACAAATGTCGTTAG
GTAGACCGACGTTATCGCGCTATACCCGATGTCAACGCGAGTTAGACCGTAT
CGTCCCCAGTGCCCTAAGATGGTCAAGCGTGCTCCTACGTTAGTATCAGTTTC
25 CCTATTGGTACGTCTGGCGTACTTCTGAAACGTGATGGGCGGCTGGTTACCCG
TATATGGGCTCGGTTGACCTCTATTGGGCGTTGTTGACCCGAATTCGGTATCC
TCGTCGTTAAATGGCGAACGTCGTCTGCTATAGGCAAACGTCTGTGCGTCATG
GCAAATGTTACTCGTGTGTGCAAGAAATTACTCGCTGTCgtcgacccgggaattccggaa
aaaaaaaaaaaaaaaaaactgcaggcgtaccagctttccctatagtgcgtatta.

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18. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence:

gc at gca att aac cct cact aa ag gga cgc gta cgt ta gct tGATAAGCGTTCACAGCTCGGCAATAC
CTGTGACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGACAGTGAT
5 G GCGCTTACTTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCT
CTATGGCGCGTGACAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCG
TCGATCTAGGTGACTACGCACGCCTCTGGAGTAAATCGAGTGCTCCGTGCGA
AATACGCGGTCATCGTGCGAATAACCGAGTCATCGTGAGTAGTATGAACGTG
TCGTGTTATGCAGCGGTATGTCGTGCTATAATGGCGTCTGTCGTGCTCATAAG
10 GTTCCTCTGATGTGCTAGACGTGTCCATCGAGCTGCATAGCTATACTTCGAGT
CACTTGGGATACTTCGATAGCGTTGTGAATAGTGTCTAGGCTCTCGGGCACG
TTGTTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTCGTACTATCGAATA
CACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTGCCACTCGTT
GATAGTCAACCAAGCTCGTTAGATAGTAGCCAGATCCTACGAGATGAGCTA
15 CGTAACTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTCGTAGTCG
AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTC
GTCCCTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTG
CCCACTTCTCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTC
GCGGCTCACTAATTGTCTGCGGTGGCTACTAATGGTTACGGTGCCTGACTAAT
20 CGTGTAGGTGTCTAATACATCGTGATACGGGCGATATAATGCTCGATACGGC
AAATATAGCTCCGTCCGGTGGATCCAGATCGCAGGGTATCGCATCGACAGAC
CTGGTATCGTCGTGACGAACGTGCTACTCGCTTATCGGGCCTGCTACATCAGT
GGCGATGTTCTGTAACCCTTAGCCGATCTTCTTACTTACGAGGCTACTATTCTGA
TCAAACCTCGCCTATCTGGTAATAACTGCGGTGATCTGGTAGCCACTACGTGCG
25 CCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCTCAGTGGTCCGACA
TAGTGCCCAGTGGTTCGCATAACTGCCGCTGGGTCCAATATAACACGCAGTC
GTCAATCATACGAGCCGATGGTCAGCAATAGCGCCTGTGGTGACACTATGCC
ACCTCTGGTCTAATATAGCGCCCTGTGGTTCGTATAATCGAGCGCGTAATCGTA
TATCCGACTGTAGGTGCGTAACCTCGCGACTAGGTGGCTCTAATCTGCGTTGGT
30 TGTCGCTCACAGTGTCTGGTGTTTCGATACCCGGATCGGGTCCGTAATCTTGG
CATCGAGGTTTCGTACATGTCACGCGGTCTCGTTCACTCTCGGTGGTGCTCAG

TACATCCAGTGGTGAGTCGCTACATCACACGGTGATCCGGCTAAACCTCTGG
GCATCCGTATTAAGCGACATTCTACGACTTATCAGCACGTCCTACGGTATAA
CAAGGCGTGCTACGGTCTAACGACGCTGGTAGCAGTCTATCAGATCGCTAGT
ACGAGTTAGAGATGCTTAGTACGCCTTCGAATCTATGATGCTCGTGCTCACGC
5 GATGCACTCGGATTATGGCACATGCACTCGCGTAATGACGCTGCATCGCTCA
GTATGATCCATGAGCGCCGTGAATGACGCATGAGCCTCGTATCGAGTGCATG
AGCTGTCTTTCACATGATACATCGCTCTAAATCATCATGCGACAGTCTCGACA
GCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACATCATGCTCGACTCT
GAGACACTGATCGAGCATTAAAGACtctagagcgccgccgactagttagctcgtcgaccccggaatt
10 ccggaaaaaaaaaaaaaaaaaaaaaactgcaggcggtaccagcttcctatagttagctgtatta.

19. A DNA molecule according to claim 1 comprising the sequence, wherein capitalized
bases refer to Tag gene

sequence:gcatgcaattaaccctcactaaaggagcggtacgtaagcttGATAAGCGTTCACAGCTCGGC
15 AATACCTGTGACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGAC
AGTGATGGCGCTTACTTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTC
ACTTCTCTATGGCGCGTGACAATGTACTATGGAGCGGTCAATGTCAGTACGG
ATCGCGTCGATCTAGGTGACTACGCACGCCTCTGGAGTAAATCGAGTGCTCC
GTGCGAAATACGCGGTCATCGTGCGAATAACCGAGTCATCGTGAGTAGTATG
20 AACGTGTCGTGTTATGCAGCGGTATGTCGTGCTATAATGGCGTCTGTCGTGCT
CATAAGGTTCTCTGATGTGCTAGACGTGTCCATCGAGCTGCATAGCTATACT
TCGAGTCACTTGGGATACTTCGATAGCGTTGTGAATAGTGTGCTAGGCTCTCG
GGCACGTTGTTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTCGTACTAT
CGAATACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTGCC
25 ACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCAGATCCTACGAGA
TGAGCTACGTAACCTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTC
GTAGTCGAATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATG
AAGACTCGTCCCTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGT
GCTAGTGCCCACTTCTCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATC
30 AATCGTCGCGGCTCACTAATTGTCTGCGGTGGCTACTAATGGTTACGGTGCCT
GACTAATCGTGTAGGTGTCTAATACATCGTGATACGGGCGATATAATGCTCG

ATACGGCAAATATAGCTCCGTCCGGTGGATCCAGATCGCAGGGTATCGCATC
GACAGACCTGGTATCGTCGTGACGAACGTGCTACTCGCTTATCGGGCCTGCTA
CATCAGTGGCGATGTTTCGTAACCCTTAGCCGATCTTCTTACTTACGAGGCTAC
TATTCGATCAAACCTCGCCTATCTGGTAATAACTGCGGTGATCTGGTAGCCACT
5 ACGTGCGCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCTCAGTGG
TCCGACATAGTGCCCAGTGGTTCGCATAACTGCCGCTGGGTCCAATATAACA
CGCAGTCGTCAATCATAACGAGCCGATGGTCAGCAATAGCGCCTGTGGTGACA
CTATGCCACCTCTGGTCTAATATAGCGCCCTGTGGTCGTATAATCGAGCGCGT
AATCGTATATCCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTCTAATCTG
10 CGTTGGTTGTCGCTCACAGTGTCTGGTGTTCGATACCCGGATCGGGTTCCGTA
ATCTTGGCATCGAGGTTTCGTACATGTACGCGGTCTCGTTCATTCTCGGTGG
TGCTCAGTACATCCAGTGGTGAGTCGCTACATCACACGGTGATCCGGCTAAA
CCTCTGGGCATCCGTATTAAGCGACATTCTACGACTTATCAGCACGTCTTAC
GGTATAACAAGGCGTGCTACGGTCTAACGACGCTGGTAGCAGTCTATCAGAT
15 CGCTAGTACGAGTTAGAGATGCTTAGTACGCCTTCGAATCTATGATGCTCGTG
CTCACGCGATGCACTCGGATTATGGCACATGCACTCGCGTAATGACGCTGCA
TCGCTCAGTATGATCCATGAGCGCCGTGAATGACGCATGAGCCTCGTATCGA
GTGCATGAGCTGTCTTTCACATGATACATCGCTCTAAATCATCATGCGACAGT
CTCGACAGCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACATCATGCT
20 CGACTCTGAGACACTGATCGAGCATTAAAGACTCTAGACTCTGTGCCATGATC
GTGAGTTGTCGCAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGCT
GTTGCGTAAATCAACGGCATGATCCCTATGACCGCGTCATGCTAACTGATAC
ACGCTGCTCGAACAGTGATACGCACACTGATAACTATGCGCAGACGCTTGAA
ACGATGTGACATCGCTTCTAGAGTATGAGCCGCAATGCACGACTGATACTCG
25 ATATGAGCAGCAGTCGGCTATGATTTGCAATGCTTGCAGTATGTATCCTGATC
GTGCGTGCGATGTCTGATAATACGCTCGCATGATATGTATTGCGCTCAGATGC
TGGAGATATGCCATGCGTGCTGTCAGTATGCCATGTATGCTGATATGTCGCGA
TCTATGTGGTGACTATGAGATCCATGTGATGACGTTGCAGTCTCTGTGACCTT
ATCGACGCGCATGTGAGCCTATAGACAGCGATGTGAGCACTCTCATCTGCGG
30 ATCAGTCTATCCTCGCTGATGCTCAGTGATACACGCTGATGCACGTAGTGAGC
ATCCTGTGCTCGCATATACCGCTGCTGCACTGATATGAGCCAGTGCTGCTGCT

CTCTACGGAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCTAAACTGGCTG
TCTAGCACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGA
CTCTGACATTAGCGTATAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCG
CCTATTATATGCCTGACGCGGGATCTATCAGAACGACTCGGTAGCTCATATAC
5 TGGATCACGGTGCCACAACATGCTACACGAGGTCTCAGACTCTATCCCGTGG
ACTCAACGTGCATCTGCTATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCT
CTGATCTACACTGCCGTGATCGTTATATGACGAGACTGTGCGCTCATAGCCGA
CACTGTGCTCGATAAGACCACGCTGTGCGGATATAGTCGACCTAGTGCATCCT
CGTGGCATCATGCGTCTCCTCAGTAGGTCTGCGACTGATCCTAGTGCAATGCG
10 TCTGAGCCTGAGCTACAGCGATATAGCCTGGATTGTGAGCGTATTTGCTGTCA
GAACCTCAGCTCATCATGTATGATGCTGTACCATCCTGCGATACTGAAGATGC
ACCGCTATAATGCGAGGCTCTCCGCTAAAGTGGAAGCTGCTCGTTCTCAATGC
GAGCGAGTCGAATCCAATGCCGTAGCTGCGATAACGATGCCGCTGACTCTAC
GGTAATGCACGATCCTCTACATTGATAGCAGATAGTCTAACGGGATAGCATA
15 GGTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAGATATAGTCATCGCTG
CAATCAGCTAGTCATCTTGTGTCAGGATGCTACTCACTGCGTGCAGAAGATTTCG
ACGACTTCAGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGATCGACAC
TGCTGGTCTGCGAATGACTCGCATTCACTAACATGGAGCATCGTTATCTAAAG
GGGATGCACGTTATCGTCGAGTGGCCGTCATGTCTATGCAGTGCGGCCTATGT
20 CTCATTAGCGAGTCGTATGTATCATGTGCGGGCTCGAATGTTGCACACGTCTGC
GTAATGGTGACCGCTAGTCCCACATGGTGCTTCGTAGCCACAAATGTCGTTAG
GTAGACCGACGTTATCGCGCTATACCCGATGTCAACGCGAGTTAGACCGTAT
CGTCCCCAGTGCCCTAAGATGGTCAAGCGTGCTCCTACGTTAGTATCAGTTTC
CCTATTGGTACGTCTGGCGTACTTCTGAAACGTGATGGGCGGCTGGTTACCCG
25 TATATGGGCTCGGTTGACCTCTATTGGGCGTTGTTGACCCgaattccgaaaaaaaaa
aaaaaaaaactgcaggcgtaccagcttcctatagtgagtcgtatta.

20. A DNA molecule according to claim 1 further comprising at least two additional restriction sites.

21. A DNA molecule according to claim 20 comprising the sequence wherein capitalized bases refer to Tag gene sequence

gcatgcaattaaccctcactaaaggacgcgtacgtaagcttGATAAGCGTTCACAGCTCGGCAATAC
CTGTGACGAGCTGCTCGCAAGATTTACGCAGTGTGGCTATACTTGACAGTGAT
5 GGCCTTACTTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCT
CTATGGCGCGTGACAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCG
TCGATCTAGGTGACTACGCACGCCTCTGGAGTAAATCGAGTGCTCCGTGCGA
AATACGCGGTCATCGTGCGAATAACCGAGTCATCGTGAGTAGTATGAACGTG
TCGTGTTATGCAGCGGTATGTCGTGCTATAATGGCGTCTGTCGTGCTCATAAG
10 GTTCCTCTGATGTGCTAGACGTGTCCATCGAGCTGCATAGCTATACTTCGAGT
CACTTGGGATACTTCGATAGCGTTGTGAATAGTGTCTGAGGCTCTCGGGCAGC
TTGTTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTCGTACTATCGAATA
CACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTGCCACTCGTT
GATAGTCAACCAAGCTCGTTAGATAGTAGCCAGATCCTACGAGATGAGCTA
15 CGTAACTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTCGTAGTCG
AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTC
GTCCCTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTG
CCCACTTCTCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTC
GCGGCTCACTAATTGTCTGCGGTGGCTACTAATGGTTACGGTGCCTGACTAAT
20 CGTGTAGGTGTCTAATACATCGTGATACGGGCGATATAATGCTCGATACGGC
AAATATAGCTCCGTCCGGTGGATCCAGATCGCAGGGTATCGCATCGACAGAC
CTGGTATCGTCGTGACGAACGTGCTACTCGCTTATCGGGCCTGCTACATCAGT
GGCGATGTTTCGTAACCCTTAGCCGATCTTCTTACTTACGAGGCTACTATTCGA
TCAAACCTCGCCTATCTGGTAATAACTGCGGTGATCTGGTAGCCACTACGTGCG
25 CCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCTCAGTGGTCCGACA
TAGTGCCCAGTGGTTCGCATAACTGCCGCTGGGTCCAATATAACACGCAGTC
GTCAATCATACGAGCCGATGGTCAGCAATAGCGCCTGTGGTGACACTATGCC
ACCTCTGGTCTAATATAGCGCCCTGTGGTCGTATAATCGAGCGCGTAATCGTA
TATCCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTCTAATCTGCGTTGGT
30 TGTCGCTCACAGTGTCTGGTGTTTCGATACCCGGATCGGGTTCCGTAATCTTGG
CATCGAGGTTTCGTACATGTCACGCGGTCTCGTTCATTCTCGGTGGTGCTCAG

TACATCCAGTGGTGAGTCGCTACATCACACGGTGATCCGGCTAAACCTCTGG
GCATCCGTATTAAGCGACATTCCTACGACTTATCAGCACGTCCTACGGTATAA
CAAGGCGTGCTACGGTCTAACGACGCTGGTAGCAGTCTATCAGATCGCTAGT
ACGAGTTAGAGATGCTTAGTACGCCTTCGAATCTATGATGCTCGTGCTCACGC
5 GATGCACTCGGATTATGGCACATGCACTCGCGTAATGACGCTGCATCGCTCA
GTATGATCCATGAGCGCCGTGAATGACGCATGAGCCTCGTATCGAGTGCATG
AGCTGTCTTTCACATGATACATCGCTCTAAATCATCATGCGACAGTCTCGACA
GCAGCTCAGCATCTATGCATCATGTGCCTCACTAGGACATCATGCTCGACTCT
GAGACACTGATCGAGCATTAAAGACTCTAGACTCTGTGCCATGATCGTGAGTT
10 GTCGCAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGCTGTTGCGT
AAATCAACGGCATGATCCCTATGACCGCGTCATGCTAACTGATACACGCTGC
TCGAACAGTGATACGCACACTGATAACTATGCGCAGACGCTTGAAACGATGT
GACATCGCTTCTAGAGTATGAGCCGCAATGCACGACTGATACTCGATATGAG
CAGCAGTCGGCTATGATTTGCAATGCTTGCAGTATGTATCCTGATCGTGCGTG
15 CGATGTCTGATAATACGCTCGCATGATATGTATTGCGCTCAGATGCTGGAGAT
ATGCCATGCGTGCTGTCAGTATGCCATGTATGCTGATATGTCGCGATCTATGT
GGTGA CTATGAGATCCATGTGATGACGTTGCAGTCTCTGTGACCTTATCGACG
CGCATGTGAGCCTATAGACAGCGATGTGAGCACTCTCATCTGCGGATCAGTC
TATCCTCGCTGATGCTCAGTGATACACGCTGATGCACGTAGTGAGCATCCTGT
20 GCTCGCATATAACCGCTGCTGCACTGATATGAGCCAGTGCTGCTGCTCTCTACG
GAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCTAAACTGGCTGTCTAGAA
CTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGACTCTGAC
ATTAGCGTATAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCGCCTATTA
TATGCCTGACGCGGGATCTATCAGAACGACTCGGTAGCTCATATACTGGATC
25 ACGGTGCCACAACATGCTACACGAGGTCTCAGACTCTATCCCGTGGACTCAA
CGTGCATCTGCTATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCTCTGATC
TAACTGCCGTGATCGTTATATGACGAGACTGTGCGCTCATAGCCGACACTGT
GCTCGATAAGACCACGCTGTGCGGATATAGTCGACCTAGTGCATCCTCGTGG
CATCATGCGTCTCCTCAGTAGGTCTGCGACTGATCCTAGTGCAATGCGTCTGA
30 GCCTGAGCTACAGCGATATAGCCTGGATTGTGAGCGTATTTGCTGTCAGAAC
CTCAGCTCATCATGTATGATGCTGTACCATCCTGCGATACTGAAGATGCACCG

CTATAATGCGAGGCTCTCCGCTAAAGTGGAAGCTGCTCGTTCTCAATGCGAG
CGAGTCGAATTCAATGCCGTAGCTGCGATAACGATGCCGCTGACTCTACGGT
AATGCACGATCCTCTACATTGATAGCAGATAGTCTAACGGGATAGCATAGGT
GCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAGATATAGTCATCGCTGCAA
5 TCAGCTAGTCATCTTGTCAGGATGCTACTCACTGCGTGCGAGAAGATTTCGCACG
ACTTCAGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGATCGACACTGCT
GGTCTGCGAATGACTCGCATTCACTAACATGGAGCATCGTTATCTAAAGGGG
ATGCACGTTATCGTCGAGTGGCCGTCATGTCTATGCAGTGCGGCCTATGTCTC
ATTAGCGAGTCGTATGTATCATGTCCGGGCTCGAATGTTGCACACGTCTGCGTA
10 ATGGTGACCGCTAGTCCCACATGGTGCTTCGTAGCCACAAATGTCGTTAGGTA
GACCGACGTTATCGCGCTATACCCGATGTCAACGCGAGTTAGACCGTATCGT
CCCCAGTGCCCTAAGATGGTCAAGCGTGCTCCTACGTTAGTATCAGTTTCCCT
ATTGGTACGTCTGGCGTACTTCTGAAACGTGATGGGCGGCTGGTTACCCGTAT
ATGGGCTCGGTTGACCTCTATTGGGCGTTGTTGACCCgaattccggaaaaaaaaaaaaaa
15 aaaaactgcaggcgtaccagctttccctatagtgagtcgtatta.

22. A method of providing a control for an assay, said assay comprising providing
labeled nucleic acid and hybridizing said labeled nucleic acid to a nucleic acid array, said
method comprising spiking said labeled nucleic acid with labeled Tag gene nucleic acid,
20 wherein said nucleic acid array has probes complementary to said Tag gene.

23. A method according to claim 22 wherein said nucleic acid is RNA.

24. A method according to claim 22 wherein said nucleic acid is DNA.
25

25. A method according to claim 22 wherein said Tag gene is selected from the group
consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX

26. A method of analyzing the expression of one or more genes, said method
30 comprising:

(a) providing a pool of target nucleic acids comprising RNA transcripts of one

or more of said genes, or nucleic acids derived therefrom using said RNA transcripts as templates;

(b) providing a spike sample comprising RNA transcribed from a Tag gene or Tag nucleic acids derived from said Tag gene RNA using said Tag gene RNA as template;

- 5 (c) hybridizing said pool of target nucleic acids and said spike sample to an array of oligonucleotide probes immobilized on a surface, said array comprising more than 100 different oligonucleotides, at least some of which comprise control probes and at least some of which comprise probes complementary to said Tag gene or said nucleic acid derived from said Tag gene RNA, wherein each
- 10 different oligonucleotide is localized in a predetermined region of said surface, the density of said different oligonucleotides is greater than about 60 different oligonucleotides per 1 cm², and at least some of said oligonucleotide probes are complementary to said RNA transcripts or said nucleic acids derived therefrom using said RNA transcripts;
- 15 (d) quantifying the hybridization of said nucleic acids to said array, wherein said quantification is proportional to the expression level of said genes; and
- (e) quantifying the hybridization of said spike sample to said array.

27. A method according to claim 26 wherein said Tag gene is selected from the group

20 consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX

28. A DNA molecule comprising a Tag gene, said Tag gene comprising at least 5 Tag sequences or their complement.

25 29. A DNA molecule according to claim 28 wherein said Tag sequences are selected from Seq. Id. Nos. 1-2050.

30 30. A DNA molecule according to claim 29 wherein said Tag gene sequences are selected from the group consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX